

\*\*\*\*\*STN Columbus\*\*\*\*\*

FILE 'HOME' ENTERED AT 15:49:20 ON 16 SEP 2002

=> file biosis,caba,caplus,embase,japio,lifesci,medline,scisearch,uspatfull

=> e ebringer alan/au

E1 459 EBRINGER A/AU

E2 1 EBRINGER A \*/AU

E3 31 --> EBRINGER ALAN/AU

E4 1 EBRINGER E/AU

E5 2 EBRINGER H/AU

E6 363 EBRINGER L/AU

E7 1 EBRINGER L \*/AU

E8 3 EBRINGER LAWRENCE/AU

E9 74 EBRINGER LIBOR/AU

E10 96 EBRINGER R/AU

E11 22 EBRINGER R W/AU

E12 1 EBRINGER ROLAND/AU

=> s e1-e3 and (prion? or spongiform? or acinetobacter?)

L1 27 ("EBRINGER A"/AU OR "EBRINGER A \*/AU OR "EBRINGER ALAN"/AU)  
AND (PRION? OR SPONGIFORM? OR ACINETOBACTER?)

=> dup rem l1

PROCESSING COMPLETED FOR L1

L2 11 DUP REM L1 (16 DUPLICATES REMOVED)

=> d bib ab 1-

YOU HAVE REQUESTED DATA FROM 11 ANSWERS - CONTINUE? Y/(N):y

L2 ANSWER 1 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

1

AN 2001:559264 BIOSIS

DN PREV200100559264

TI Antibody responses to \*\*\*Acinetobacter\*\*\* spp. and Pseudomonas  
aeruginosa in multiple sclerosis: Prospects for diagnosis using the  
myelin- \*\*\*Acinetobacter\*\*\* -neurofilament antibody index.

AU Hughes, L. E.; Bonell, S.; Natt, R. S.; Wilson, C.; Tiwana, H.;  
\*\*\*Ebringer, A. (1)\*\*\*; Cunningham, P.; Chamoun, V.; Thompson, E. J.;  
Crocker, J.; Vowles, J.

CS (1) Infection and Immunity Group, Division of Health and Life Sciences,  
King's College London, 150, Stamford St., London, SE1 9NN:  
alan.ebringer@kcl.ac.uk UK

SO Clinical and Diagnostic Laboratory Immunology, (November, 2001) Vol. 8,  
No. 6, pp. 1181-1188. print.  
ISSN: 1071-412X.

DT Article

LA English

SL English

AB Antibody responses to \*\*\*Acinetobacter\*\*\* (five strains), Pseudomonas  
aeruginosa, Escherichia coli, myelin basic protein (MBP), and  
neurofilaments were measured in sera from 26 multiple sclerosis (MS)  
patients, 20 patients with cerebrovascular accidents (CVA), 10 patients  
with viral encephalitis, and 25 healthy blood donors. In MS patients,  
elevated levels of antibodies against all strains of \*\*\*Acinetobacter\*\*\*  
tested were present, as well as antibodies against P. aeruginosa, MBP, and  
neurofilaments, but not antibodies to E. coli, compared to the CVA group  
and controls. The myelin- \*\*\*Acinetobacter\*\*\* -neurofilament antibody  
index appears to distinguish MS patients from patients with CVAs or  
healthy controls. The relevance of such antibodies to the neuropathology  
of MS requires further evaluation.

L2 ANSWER 2 OF 11 SCISEARCH COPYRIGHT 2002 ISI (R)

AN 2001:739124 SCISEARCH

GA The Genuine Article (R) Number: 469FT

TI Antibodies to \*\*\*Acinetobacter\*\*\* and Pseudomonas are present in  
bovine \*\*\*spongiform\*\*\* encephalopathy

AU Wilson C (Reprint); Hughes L; \*\*\*Ebringer A\*\*\* ; Cartmell W

SO ANNALS OF NEUROLOGY, (SEP 2001) Vol. 50, No. 3, Supp. [1], pp. S59-S59.

Publisher: WILEY-LISS, DIV JOHN WILEY & SONS INC, 605 THIRD AVE, NEW YORK,  
NY 10158-0012 USA.

ISSN: 0364-5134.

DT Conference; Journal

LA English

REC Reference Count: 0

L2 ANSWER 3 OF 11 SCISEARCH COPYRIGHT 2002 ISI (R)

AN 2001:739118 SCISEARCH

GA The Genuine Article (R) Number: 469FT

TI Multiple sclerosis patients have elevated levels of antibodies to  
\*\*\*Acinetobacter\*\*\* peptides that mimic neurofilaments

AU Hughes L (Reprint); Wilson C; \*\*\*Ebringer A\*\*\*

SO ANNALS OF NEUROLOGY, (SEP 2001) Vol. 50, No. 3, Supp. [1], pp. S58-S58.

Publisher: WILEY-LISS, DIV JOHN WILEY & SONS INC, 605 THIRD AVE, NEW YORK,  
NY 10158-0012 USA.

ISSN: 0364-5134.

DT Conference; Journal

LA English

REC Reference Count: 0

L2 ANSWER 4 OF 11 SCISEARCH COPYRIGHT 2002 ISI (R)

AN 2001:739114 SCISEARCH

GA The Genuine Article (R) Number: 469FT

TI Antibodies to \*\*\*Acinetobacter\*\*\* but not to Escherichia coli,  
Klebsiella, or Proteus are present in multiple sclerosis

AU \*\*\*Ebringer A (Reprint)\*\*\* ; Tiwana H; Hughes L; Wilson C; Green A;  
Thompson E; Chamoun V; Croker J; Vowles J

SO ANNALS OF NEUROLOGY, (SEP 2001) Vol. 50, No. 3, Supp. [1], pp. S57-S57.

Publisher: WILEY-LISS, DIV JOHN WILEY & SONS INC, 605 THIRD AVE, NEW YORK,  
NY 10158-0012 USA.

ISSN: 0364-5134.

DT Conference; Journal

LA English

REC Reference Count: 0

L2 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 2000:368723 CAPLUS

DN 133:16299

TI Diagnosis of demyelinating or \*\*\*spongiform\*\*\* disease by determining  
antibodies to myelin or myelin neurofilaments

IN \*\*\*Ebringer, Alan\*\*\*

PA King's College, UK

SO PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2000031545	A1	20000602	WO 1999-GB3936	19991125
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W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

BR 9915695	A	20010814	BR 1999-15695	19991125
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EP 1133696	A1	20010919	EP 1999-956219	19991125
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

PRAI GB 1998-25948	A	19981126
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WO 1999-GB3936	W	19991125
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AB A method for diagnosing \*\*\*spongiform\*\*\* disease or demyelinating disease in vertebrates, including BSE, MS and CJD, which comprises assaying a biol. sample for antibodies which bind to myelin and/or myelin neurofilaments or to one or more antigenic (immunogenic) parts thereof. An ELISA for detg. IgA autoantibodies in serum samples used bovine myelin or bovine neurofilaments absorbed in wells of microtiter plates and peroxidase-anti-cow IgA conjugate.

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 1999:614260 CAPLUS

DN 131:225822

TI Diagnosis of \*\*\*spongiform\*\*\* or de-myelinating disease

IN \*\*\*Ebringer, Alan\*\*\*

PA King's College, University of London, UK

SO PCT Int. Appl., 11 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9947932	A2	19990923	WO 1999-GB876	19990319
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WO 9947932	A3	19991111
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W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2323597	AA	19990923	CA 1999-2323597	19990319
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AU 9929487	A1	19991011	AU 1999-29487	19990319
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EP 1064555 A2 20010103 EP 1999-910561 19990319

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, FI

PRAI GB 1998-5913 A 19980319

WO 1999-GB876 W 19990319

AB A method for detecting a de-myelinating disease or \*\*\*spongiform\*\*\* encephalopathy in mammals comprises testing a biol. sample obtained from the mammal for IgA antibodies indicative of infection by an \*\*\*Acinetobacter\*\*\* species. The \*\*\*Acinetobacter\*\*\* species is one which presents to the mammal an antigen which exhibits mol. mimicry with the myelin of the mammal e.g. \*\*\*Acinetobacter\*\*\* calcoaceticus. The antibodies tested for are antibodies which bind to an epitope present in or derived from the \*\*\*Acinetobacter\*\*\* species or to a prepd. peptide sequence corresponding thereto or to a conformationally similar peptide sequence e.g. the peptide sequence RFSAWGAE or ISRFAWGGEV. The method tests for bovine \*\*\*spongiform\*\*\* encephalopathy, multiple sclerosis and Creutzfeldt-Jacob disease in humans. A test kit uses as the test antigen the whole \*\*\*Acinetobacter\*\*\* organism or at least one prepd. peptide sequence as described above and a secondary antibody against the human, bovine, or other mammalian IgA.

L2 ANSWER 7 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
2

AN 2000:64129 BIOSIS

DN PREV200000064129

TI Autoantibodies to brain components and antibodies to \*\*\*Acinetobacter\*\*\* calcoaceticus are present in bovine \*\*\*spongiform\*\*\* encephalopathy.

AU Tiwana, Harmale; Wilson, Clyde; Pirt, John; Cartmell, William;  
\*\*\*Ebringer, Alan (1)\*\*\*

CS (1) Infection and Immunity Group, Division of Life Sciences, King's College, 150 Stamford St., London, SE1 8WA UK

SO Infection and Immunity, (Dec., 1999) Vol. 67, No. 12, pp. 6591-6595.  
ISSN: 0019-9567.

DT Article

LA English

SL English

AB Bovine \*\*\*spongiform\*\*\* encephalopathy (BSE) is a neurological disorder, predominantly of British cattle, which belongs to the group of transmissible \*\*\*spongiform\*\*\* encephalopathies together with Creutzfeldt-Jakob disease (CJD), kuru, and scrapie. Autoantibodies to brain neurofilaments have been previously described in patients with CJD and kuru and in sheep affected by scrapie. \*\*\*Spongiform\*\*\* -like changes have also been observed in chronic experimental allergic encephalomyelitis, at least in rabbits and guinea pigs, and in these conditions autoantibodies to myelin occur. We report here that animals with BSE have elevated levels of immunoglobulin A autoantibodies to brain components, i.e., neurofilaments ( $P < 0.001$ ) and myelin ( $P < 0.001$ ), as well as to \*\*\*Acinetobacter\*\*\* calcoaceticus ( $P < 0.001$ ), saprophytic microbes found in soil which have sequences cross-reacting with bovine neurofilaments and myelin, but there were no antibody elevations against Agrobacterium tumefaciens or Escherichia coli. The relevance of such mucosal autoantibodies or antibacterial antibodies to the pathology of BSE and its possible link to \*\*\*prions\*\*\* requires further evaluation.

L2 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS

AN 1998:210928 CAPLUS  
DN 128:269521  
TI Diagnosis of \*\*\*spongiform\*\*\* disease  
IN \*\*\*Ebringer, Alan\*\*\*  
PA King's College, UK; Ebringer, Alan  
SO PCT Int. Appl., 13 pp.  
CODEN: PIXXD2

DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9813694	A1	19980402	WO 1997-GB2667	19970929
	W: JP, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 929813	A1	19990721	EP 1997-943069	19970929
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2001502418	T2	20010220	JP 1998-514043	19970929
PRAI	GB 1996-20195	A	19960927		
	WO 1997-GB2667	W	19970929		

AB A diagnostic test is provided for \*\*\*spongiform\*\*\* encephalopathy and other demyelinating conditions in mammals which comprises assaying antibodies present in the mammal which bind to an antigenic peptide which exhibits mol. mimicry of a mammalian myelin peptide, e.g. one having the sequence FSWGAEQK. This test is useful for detecting bovine \*\*\*spongiform\*\*\* encephalopathy (BSE) in cattle by assaying sera collected from the cattle for antibodies to a species of \*\*\*Acinetobacter\*\*\*, Agrobacterium or Ruminococcus, or a peptide having a sequence present in said species which mimics a peptide of bovine myelin and identifying animals having a level of antibodies at least about two std. deviations above that of healthy control animals.

L2 ANSWER 9 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE  
3

AN 1998:513652 BIOSIS  
DN PREV199800513652  
TI Bovine \*\*\*spongiform\*\*\* encephalopathy: Comparison between the '\*\*\*Prion\*\*\*' hypothesis and the autoimmune theory.  
AU \*\*\*Ebringer, A. (1)\*\*\*; Pirt, J. (1); Wilson, C. (1); Thorpe, C. (1); Tiwana, H. (1); Cunningham, P. (1); Ettelaie, C.  
CS (1) Div. Life Sci., Infect. Immunity Group, Dep. Computing, King's Coll., Campden Hill Rd., London UK  
SO Journal of Nutritional & Environmental Medicine (Abingdon), (Sept., 1998) Vol. 8, No. 3, pp. 265-276.  
ISSN: 1359-0847.

DT Article  
LA English

AB Bovine \*\*\*spongiform\*\*\* encephalopathy (BSE) is a neurological disorder which has affected cattle in the UK. It has been suggested that it is caused by \*\*\*prions\*\*\* and these may also be responsible for scrapie in sheep and Creutzfeldt-Jakob disease (CJD) in humans. The molecular mimicry theory is an alternative model which suggests that BSE could be an autoimmune disease caused by exposure of cattle to bacteria showing cross-reactivity with nervous tissue. \*\*\*Acinetobacter\*\*\*

calcoaceticus, Ruminococcus albus, Agrobacterium tumefaciens and Escherichia coli have been shown to contain molecular sequences which resemble brain tissue. Neurological damage is caused either by \*\*\*prions\*\*\* or by autoimmune mechanisms and the contrasting features of these two theories are reviewed Furthermore, the autoimmune theory implies that there is no need for a cull of cattle, and that humans will not develop CJD provided they are not exposed to these bacteria.

L2 ANSWER 10 OF 11 CABA COPYRIGHT 2002 CABI

AN 1999:84621 CABA

DN 992206033

TI Friendly fire; molecular mimicry and BSE

AU \*\*\*Ebringer, A.\*\*\* ; Pirt, S. J.; Wilson, C.

CS King's College, University of London, UK.

SO SGM Quarterly, (1998) Vol. 25, No. 4, pp. 136-137. 5 ref.

ISSN: 0142-7547

DT Journal

LA English

L2 ANSWER 11 OF 11 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE

4

AN 1998:81572 BIOSIS

DN PREV199800081572

TI Bovine \*\*\*spongiform\*\*\* encephalopathy: Is it an autoimmune disease due to bacteria showing molecular mimicry with brain antigens.

AU \*\*\*Ebringer, Alan (1)\*\*\* ; Pirt, John; Wilson, Clyde; Cunningham, Phil; Thorpe, Carlos; Ettelaie, Camille

CS (1) Div. Life Sciences, Infection Immunity Group, King's Coll. London, Campden Hill Rd., London W8 7AH UK

SO Environmental Health Perspectives, (Nov., 1997) Vol. 105, No. 11, pp. 1172-1174.

ISSN: 0091-6765.

DT Article

LA English

AB Bovine \*\*\*spongiform\*\*\* encephalopathy (BSE) could be an autoimmune disease produced following exposure of cattle to feedstuffs containing bacteria showing molecular mimicry between bacterial components and bovine tissue. Analysis of molecular sequence databases (Genbank and SwissProt) shows that three bacteria ( \*\*\*Acinetobacter\*\*\* calcoaceticus, Ruminococcus albus, and Agrobacter tumefaciens) share sequences with the encephalitogenic peptide of bovine myelin, while three molecules in Escherichia coli show molecular mimicry with host-encoded \*\*\*prion\*\*\* protein. Immune responses against these bacteria at both T and B cell levels may cause neurological tissue injury resembling BSE. The role of these bacteria in BSE, if any, merits further investigation.

=> s spongiform and iga and acinetobacter

L3 65 SPONGIFORM AND IGA AND ACINETOBACTER

=> dup rem l3

PROCESSING COMPLETED FOR L3

L4 64 DUP REM L3 (1 DUPLICATE REMOVED)

=> d bib ab 1-

YOU HAVE REQUESTED DATA FROM 64 ANSWERS - CONTINUE? Y/(N):y

L4 ANSWER 1 OF 64 USPATFULL

AN 2002:221965 USPATFULL

TI Steroid hormone receptor polynucleotides, polypeptides, and antibodies

IN Ni, Jian, Germantown, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002120110 A1 20020829

AI US 2001-805204 A1 20010314 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US24517, filed on 7 Sep 2000,  
UNKNOWN

PRAI US 2000-189032P 20000314 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 11573

AB The present invention relates to novel human steroid hormone receptor polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human steroid hormone receptor polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human steroid hormone receptor polypeptides.

L4 ANSWER 2 OF 64 USPATFULL

AN 2002:221958 USPATFULL

TI 17 human secreted proteins

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Komatsoulis, George A., Silver Spring, MD, UNITED STATES

Baker, Kevin P., Darnestown, MD, UNITED STATES

Birse, Charles E., North Potomac, MD, UNITED STATES

Soppet, Daniel R., Centreville, VA, UNITED STATES

Olsen, Henrik S., Gaithersburg, MD, UNITED STATES

Moore, Paul A., Germantown, MD, UNITED STATES

Wei, Ping, Brookeville, MD, UNITED STATES

Ebner, Reinhard, Gaithersburg, MD, UNITED STATES

Duan, D. Roxanne, Bethesda, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES

Choi, Gil H., Rockville, MD, UNITED STATES

Fiscella, Michele, Bethesda, MD, UNITED STATES

Ni, Jian, Germantown, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002120103 A1 20020829

AI US 2001-915582 A1 20010727 (9)

RLI Continuation-in-part of Ser. No. WO 2001-US1431, filed on 17 Jan 2001,  
UNKNOWN

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)

US 2000-231968P 20000912 (60)

DT Utility  
FS APPLICATION  
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850  
CLMN Number of Claims: 23  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 20680

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

L4 ANSWER 3 OF 64 USPATFULL

AN 2002:221783 USPATFULL

TI Serine proteases

IN Ni, Jian, Germantown, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)

PI US 2002119925 A1 20020829

AI US 2001-946633 A1 20010906 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US12207, filed on 5 May 2000,  
UNKNOWN Continuation-in-part of Ser. No. WO 2000-US16848, filed on 20  
Jun 2000, UNKNOWN Continuation of Ser. No. US 2000-597839, filed on 20  
Jun 2000, PENDING

PRAI US 1999-133239P 19990507 (60)

US

US

US

US

US 1999-133239P 19990507 (60)

US 1999-135163P 19990520 (60)

US 1999-147005P 19990803 (60)

US 1999-152935P 19990909 (60)

US 1999-162979P 19991101 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 21

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 8813

AB The present invention relates to novel human serine protease polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human serine protease polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human serine protease polypeptides.

L4 ANSWER 4 OF 64 USPATFULL



AN 2002:221777 USPATFULL  
TI Nucleic acids, proteins, and antibodies  
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES  
PI US 2002119919 A1 20020829  
AI US 2001-764855 A1 20010117 (9)  
PRAI US 2000-179065P 20000131 (60)  
DT Utility  
FS APPLICATION  
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850  
CLMN Number of Claims: 24  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 19514

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel colorectal cancer related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "colorectal cancer antigens," and the use of such colorectal cancer antigens for detecting disorders of the colon and/or rectum, particularly the presence of colorectal cancer and colorectal cancer metastases. More specifically, isolated colorectal cancer associated nucleic acid molecules are provided encoding novel colorectal cancer associated polypeptides. Novel colorectal cancer polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human colorectal cancer associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the colon and/or rectum, including colorectal cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

L4 ANSWER 5 OF 64 USPATFULL

AN 2002:221379 USPATFULL  
TI Trefoil domain-containing polynucleotides, polypeptides, and antibodies  
IN Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
PI US 2002119519 A1 20020829  
AI US 2001-891171 A1 20010626 (9)  
RLI Continuation-in-part of Ser. No. WO 2000-US34920, filed on 22 Dec 2000,  
UNKNOWN  
PRAI US 1999-171618P 19991223 (60)  
DT Utility  
FS APPLICATION  
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850  
CLMN Number of Claims: 22  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 12171

AB The present invention relates to novel human TDC polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human TDC polypeptides. The invention further relates to diagnostic and therapeutic methods for diagnosing and treating disorders related to these novel human TDC polypeptides.

L4 ANSWER 6 OF 64 USPTFULL

AN 2002:198680 USPTFULL

TI Extracellular matrix polynucleotides, polypeptides, and antibodies

IN Fiscella, Michele, Bethesda, MD, UNITED STATES

Ebner, Reinhard, Gaithersburg, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002106780 A1 20020808

AI US 2001-978249 A1 20011017 (9)

RLI Continuation-in-part of Ser. No. WO 2001-US11643, filed on 11 Apr 2001, UNKNOWN

PRAI US 2000-198123P 20000418 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 13488

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human extracellular matrix polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human extracellular matrix polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human extracellular matrix polypeptides.

L4 ANSWER 7 OF 64 USPTFULL

AN 2002:198631 USPTFULL

TI Bcl-2-like polynucleotides, polypeptides, and antibodies

IN Ruben, Steven M., Olney, MD, UNITED STATES

Duan, D. Roxanne, Bethesda, MD, UNITED STATES

Ni, Jian, Germantown, MD, UNITED STATES

PI US 2002106731 A1 20020808

AI US 2001-912599 A1 20010726 (9)

RLI Continuation-in-part of Ser. No. WO 2001-US3080, filed on 31 Jan 2001, UNKNOWN

PRAI US 2000-179487P 20000201 (60)

US 2000-180697P 20000207 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 12354

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human Bcl-2-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human Bcl-2-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human Bcl-2-like polypeptides.

L4 ANSWER 8 OF 64 USPATFULL

AN 2002:191573 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002102638 A1 20020801

AI US 2001-764846 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)

US 2000-214886P 20000628 (60)

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US 2000-225758P 20000814 (60)

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US 2000-218290P 20000714 (60)

US 2000-225757P 20000814 (60)

US 2000-226868P 20000822 (60)

US 2000-216647P 20000707 (60)

US 2000-225267P 20000814 (60)

US 2000-216880P 20000707 (60)

US 2000-225270P 20000814 (60)

US 2000-251869P 20001208 (60)

US 2000-235834P 20000927 (60)

US 2000-234274P 20000921 (60)

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US 2000-224518P 20000814 (60)

US 2000-236369P 20000929 (60)

US 2000-224519P 20000814 (60)

US 2000-220964P 20000726 (60)

US 2000-241809P 20001020 (60)

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US 2000-236327P 20000929 (60)

US 2000-241785P 20001020 (60)

US 2000-244617P 20001101 (60)

US 2000-225268P 20000814 (60)

US 2000-236368P 20000929 (60)

US 2000-251856P 20001208 (60)

US 2000-251868P 20001208 (60)

US 2000-229344P 20000901 (60)

US 2000-234997P 20000925 (60)

US 2000-229343P 20000901 (60)

US 2000-229345P 20000901 (60)

US 2000-229287P 20000901 (60)  
US 2000-229513P 20000905 (60)  
US 2000-231413P 20000908 (60)  
US 2000-229509P 20000905 (60)  
US 2000-236367P 20000929 (60)  
US 2000-237039P 20001002 (60)  
US 2000-237038P 20001002 (60)  
US 2000-236370P 20000929 (60)  
US 2000-236802P 20001002 (60)  
US 2000-237037P 20001002 (60)  
US 2000-237040P 20001002 (60)  
US 2000-240960P 20001020 (60)  
US 2000-239935P 20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 22814

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

L4 ANSWER 9 OF 64 USPATFULL

AN 2002:179165 USPATFULL

TI Plasminogen-like polynucleotides, polypeptides, and antibodies

IN Ni, Jian, Germantown, MD, UNITED STATES

Young, Paul E., Gaithersburg, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002094955 A1 20020718

AI US 2001-832197 A1 20010411 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US27253, filed on 4 Oct 2000,  
UNKNOWN

PRAI US 1999-158044P 19991007 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 11038

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human plasminogen-like

polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human plasminogen-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human plasminogen-like polypeptides.

L4 ANSWER 10 OF 64 USPATFULL

AN 2002:179163 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002094953 A1 20020718

AI US 2001-764860 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)

US 2000-214886P 20000628 (60)

US 2000-217487P 20000711 (60)

US 2000-225758P 20000814 (60)

US 2000-220963P 20000726 (60)

US 2000-217496P 20000711 (60)

US 2000-225447P 20000814 (60)

US 2000-218290P 20000714 (60)

US 2000-225757P 20000814 (60)

US 2000-226868P 20000822 (60)

US 2000-216647P 20000707 (60)

US 2000-225267P 20000814 (60)

US 2000-216880P 20000707 (60)

US 2000-225270P 20000814 (60)

US 2000-251869P 20001208 (60)

US 2000-235834P 20000927 (60)

US 2000-234274P 20000921 (60)

US 2000-234223P 20000921 (60)

US 2000-228924P 20000830 (60)

US 2000-224518P 20000814 (60)

US 2000-236369P 20000929 (60)

US 2000-224519P 20000814 (60)

US 2000-220964P 20000726 (60)

US 2000-241809P 20001020 (60)

US 2000-249299P 20001117 (60)

US 2000-236327P 20000929 (60)

US 2000-241785P 20001020 (60)

US 2000-244617P 20001101 (60)

US 2000-225268P 20000814 (60)

US 2000-236368P 20000929 (60)

US 2000-251856P 20001208 (60)

US 2000-251868P 20001208 (60)

US 2000-229344P 20000901 (60)

US 2000-234997P 20000925 (60)

US 2000-229343P 20000901 (60)

US 2000-229345P 20000901 (60)

US 2000-229287P 20000901 (60)

US 2000-229513P 20000905 (60)

US 2000-231413P 20000908 (60)

US 2000-229509P 20000905 (60)  
US 2000-236367P 20000929 (60)  
US 2000-237039P 20001002 (60)  
US 2000-237038P 20001002 (60)  
US 2000-236370P 20000929 (60)  
US 2000-236802P 20001002 (60)  
US 2000-237037P 20001002 (60)  
US 2000-237040P 20001002 (60)  
US 2000-240960P 20001020 (60)  
US 2000-239935P 20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 21647

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel respiratory system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "respiratory system antigens," and the use of such respiratory system antigens for detecting disorders of the respiratory system, particularly the presence of cancer of respiratory system tissues and cancer metastases. More specifically, isolated respiratory system associated nucleic acid molecules are provided encoding novel respiratory system associated polypeptides. Novel respiratory system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human respiratory system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the respiratory system, including cancer of respiratory system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

L4 ANSWER 11 OF 64 USPATFULL

AN 2002:171946 USPATFULL

TI Kunitz-type protease inhibitor polynucleotides, polypeptides, and antibodies

IN Ruben, Steven M., Olney, MD, UNITED STATES

Ni, Jian, Germantown, MD, UNITED STATES

PI US 2002090695 A1 20020711

AI US 2001-858718 A1 20010517 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US31917, filed on 21 Nov 2000, UNKNOWN

PRAI US 1999-166751P 19991122 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 12006

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human KTPI polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human KTPI polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human KTPI polypeptides.

L4 ANSWER 12 OF 64 USPATFULL

AN 2002:171925 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002090674 A1 20020711

AI US 2001-764903 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 21376

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel respiratory system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "respiratory system antigens," and the use of such respiratory system antigens for detecting disorders of the respiratory system, particularly the presence of cancer of respiratory system tissues and cancer metastases. More specifically, isolated respiratory system associated nucleic acid molecules are provided encoding novel respiratory system associated polypeptides. Novel respiratory system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human respiratory system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the respiratory system, including cancer of respiratory system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

L4 ANSWER 13 OF 64 USPATFULL

AN 2002:171924 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI	US 2002090673	A1	20020711
AI	US 2001-764898	A1	20010117 (9)
PRAI	US 2000-179065P		20000131 (60)
	US 2000-180628P		20000204 (60)
	US 2000-214886P		20000628 (60)
	US 2000-217487P		20000711 (60)
	US 2000-225758P		20000814 (60)
	US 2000-220963P		20000726 (60)
	US 2000-217496P		20000711 (60)
	US 2000-225447P		20000814 (60)
	US 2000-218290P		20000714 (60)
	US 2000-225757P		20000814 (60)
	US 2000-226868P		20000822 (60)
	US 2000-216647P		20000707 (60)
	US 2000-225267P		20000814 (60)
	US 2000-216880P		20000707 (60)
	US 2000-225270P		20000814 (60)
	US 2000-251869P		20001208 (60)
	US 2000-235834P		20000927 (60)
	US 2000-234274P		20000921 (60)
	US 2000-234223P		20000921 (60)
	US 2000-228924P		20000830 (60)
	US 2000-224518P		20000814 (60)
	US 2000-236369P		20000929 (60)
	US 2000-224519P		20000814 (60)
	US 2000-220964P		20000726 (60)
	US 2000-241809P		20001020 (60)
	US 2000-249299P		20001117 (60)
	US 2000-236327P		20000929 (60)
	US 2000-241785P		20001020 (60)
	US 2000-244617P		20001101 (60)
	US 2000-225268P		20000814 (60)
	US 2000-236368P		20000929 (60)
	US 2000-251856P		20001208 (60)
	US 2000-251868P		20001208 (60)
	US 2000-229344P		20000901 (60)
	US 2000-234997P		20000925 (60)
	US 2000-229343P		20000901 (60)
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	US 2000-229513P		20000905 (60)
	US 2000-231413P		20000908 (60)
	US 2000-229509P		20000905 (60)
	US 2000-236367P		20000929 (60)
	US 2000-237039P		20001002 (60)
	US 2000-237038P		20001002 (60)
	US 2000-236370P		20000929 (60)
	US 2000-236802P		20001002 (60)
	US 2000-237037P		20001002 (60)
	US 2000-237040P		20001002 (60)
	US 2000-240960P		20001020 (60)
	US 2000-239935P		20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850



CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 25258

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

L4 ANSWER 14 OF 64 USPATFULL

AN 2002:171923 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002090672 A1 20020711

AI US 2001-764853 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)

US 2000-214886P 20000628 (60)

US 2000-217487P 20000711 (60)

US 2000-225758P 20000814 (60)

US 2000-220963P 20000726 (60)

US 2000-217496P 20000711 (60)

US 2000-225447P 20000814 (60)

US 2000-218290P 20000714 (60)

US 2000-225757P 20000814 (60)

US 2000-226868P 20000822 (60)

US 2000-216647P 20000707 (60)

US 2000-225267P 20000814 (60)

US 2000-216880P 20000707 (60)

US 2000-225270P 20000814 (60)

US 2000-251869P 20001208 (60)

US 2000-235834P 20000927 (60)

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US 2000-234223P 20000921 (60)

US 2000-228924P 20000830 (60)

US 2000-224518P 20000814 (60)

US 2000-236369P 20000929 (60)

US 2000-224519P 20000814 (60)

US 2000-220964P 20000726 (60)

US 2000-241809P 20001020 (60)

US 2000-249299P 20001117 (60)

US 2000-236327P 20000929 (60)

US 2000-241785P 20001020 (60)

US 2000-244617P 20001101 (60)  
US 2000-225268P 20000814 (60)  
US 2000-236368P 20000929 (60)  
US 2000-251856P 20001208 (60)  
US 2000-251868P 20001208 (60)  
US 2000-229344P 20000901 (60)  
US 2000-234997P 20000925 (60)  
US 2000-229343P 20000901 (60)  
US 2000-229345P 20000901 (60)  
US 2000-229287P 20000901 (60)  
US 2000-229513P 20000905 (60)  
US 2000-231413P 20000908 (60)  
US 2000-229509P 20000905 (60)  
US 2000-236367P 20000929 (60)  
US 2000-237039P 20001002 (60)  
US 2000-237038P 20001002 (60)  
US 2000-236370P 20000929 (60)  
US 2000-236802P 20001002 (60)  
US 2000-237037P 20001002 (60)  
US 2000-237040P 20001002 (60)  
US 2000-240960P 20001020 (60)  
US 2000-239935P 20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 35378

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

L4 ANSWER 15 OF 64 USPATFULL

AN 2002:171866 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002090615 A1 20020711

AI US 2001-764878 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)

US 2000-214886P 20000628 (60)

US 2000-217487P	20000711 (60)
US 2000-225758P	20000814 (60)
US 2000-220963P	20000726 (60)
US 2000-217496P	20000711 (60)
US 2000-225447P	20000814 (60)
US 2000-218290P	20000714 (60)
US 2000-225757P	20000814 (60)
US 2000-226868P	20000822 (60)
US 2000-216647P	20000707 (60)
US 2000-225267P	20000814 (60)
US 2000-216880P	20000707 (60)
US 2000-225270P	20000814 (60)
US 2000-251869P	20001208 (60)
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US 2000-234223P	20000921 (60)
US 2000-228924P	20000830 (60)
US 2000-224518P	20000814 (60)
US 2000-236369P	20000929 (60)
US 2000-224519P	20000814 (60)
US 2000-220964P	20000726 (60)
US 2000-241809P	20001020 (60)
US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
US 2000-244617P	20001101 (60)
US 2000-225268P	20000814 (60)
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US 2000-251856P	20001208 (60)
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US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 19407

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel lung related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "lung antigens," and the use of such lung antigens for detecting disorders of the lung, particularly the presence of lung cancer and lung cancer metastases. More specifically, isolated lung associated nucleic acid molecules are provided encoding novel lung associated polypeptides. Novel lung polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human lung associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the lung, including lung cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

L4 ANSWER 16 OF 64 USPATFULL

AN 2002:165194 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002086823 A1 20020704

AI US 2001-764889 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 17471

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel respiratory system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "respiratory system antigens," and the use of such respiratory system antigens for detecting disorders of the respiratory system, particularly the presence of cancer of respiratory system tissues and cancer metastases. More specifically, isolated respiratory system associated nucleic acid molecules are provided encoding novel respiratory system associated polypeptides. Novel respiratory system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human respiratory system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the respiratory system, including cancer of respiratory system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the

production and function of the polypeptides of the present invention.

L4 ANSWER 17 OF 64 USPATFULL

AN 2002:165193 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002086822 A1 20020704

AI US 2001-764886 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)

US 2000-214886P 20000628 (60)

US 2000-217487P 20000711 (60)

US 2000-225758P 20000814 (60)

US 2000-220963P 20000726 (60)

US 2000-217496P 20000711 (60)

US 2000-225447P 20000814 (60)

US 2000-218290P 20000714 (60)

US 2000-225757P 20000814 (60)

US 2000-226868P 20000822 (60)

US 2000-216647P 20000707 (60)

US 2000-225267P 20000814 (60)

US 2000-216880P 20000707 (60)

US 2000-225270P 20000814 (60)

US 2000-251869P 20001208 (60)

US 2000-235834P 20000927 (60)

US 2000-234274P 20000921 (60)

US 2000-234223P 20000921 (60)

US 2000-228924P 20000830 (60)

US 2000-224518P 20000814 (60)

US 2000-236369P 20000929 (60)

US 2000-224519P 20000814 (60)

US 2000-220964P 20000726 (60)

US 2000-241809P 20001020 (60)

US 2000-249299P 20001117 (60)

US 2000-236327P 20000929 (60)

US 2000-241785P 20001020 (60)

US 2000-244617P 20001101 (60)

US 2000-225268P 20000814 (60)

US 2000-236368P 20000929 (60)

US 2000-251856P 20001208 (60)

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US 2000-229344P 20000901 (60)

US 2000-234997P 20000925 (60)

US 2000-229343P 20000901 (60)

US 2000-229345P 20000901 (60)

US 2000-229287P 20000901 (60)

US 2000-229513P 20000905 (60)

US 2000-231413P 20000908 (60)

US 2000-229509P 20000905 (60)

US 2000-236367P 20000929 (60)

US 2000-237039P 20001002 (60)

US 2000-237038P 20001002 (60)

US 2000-236370P 20000929 (60)

US 2000-236802P 20001002 (60)  
US 2000-237037P 20001002 (60)  
US 2000-237040P 20001002 (60)  
US 2000-240960P 20001020 (60)  
US 2000-239935P 20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 20931

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

L4 ANSWER 18 OF 64 USPATFULL

AN 2002:165192 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002086821 A1 20020704

AI US 2001-764881 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 27531

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel respiratory system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "respiratory system antigens," and the use of such respiratory system antigens for detecting disorders of the respiratory system, particularly the presence of cancer of respiratory system tissues and cancer metastases. More specifically, isolated respiratory system associated nucleic acid molecules are provided encoding novel respiratory system associated polypeptides. Novel respiratory system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human respiratory system

associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the respiratory system, including cancer of respiratory system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

L4 ANSWER 19 OF 64 USPATFULL

AN 2002:165191 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002086820 A1 20020704

AI US 2001-764862 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 17727

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel respiratory system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "respiratory system antigens," and the use of such respiratory system antigens for detecting disorders of the respiratory system, particularly the presence of cancer of respiratory system tissues and cancer metastases. More specifically, isolated respiratory system associated nucleic acid molecules are provided encoding novel respiratory system associated polypeptides. Novel respiratory system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human respiratory system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the respiratory system, including cancer of respiratory system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

L4 ANSWER 20 OF 64 USPATFULL

AN 2002:165182 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002086811 A1 20020704

AI US 2001-764861 A1 20010117 (9)  
PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)  
US 2000-214886P 20000628 (60)  
US 2000-217487P 20000711 (60)  
US 2000-225758P 20000814 (60)  
US 2000-220963P 20000726 (60)  
US 2000-217496P 20000711 (60)  
US 2000-225447P 20000814 (60)  
US 2000-218290P 20000714 (60)  
US 2000-225757P 20000814 (60)  
US 2000-226868P 20000822 (60)  
US 2000-216647P 20000707 (60)  
US 2000-225267P 20000814 (60)  
US 2000-216880P 20000707 (60)  
US 2000-225270P 20000814 (60)  
US 2000-251869P 20001208 (60)  
US 2000-235834P 20000927 (60)  
US 2000-234274P 20000921 (60)  
US 2000-234223P 20000921 (60)  
US 2000-228924P 20000830 (60)  
US 2000-224518P 20000814 (60)  
US 2000-236369P 20000929 (60)  
US 2000-224519P 20000814 (60)  
US 2000-220964P 20000726 (60)  
US 2000-241809P 20001020 (60)  
US 2000-249299P 20001117 (60)  
US 2000-236327P 20000929 (60)  
US 2000-241785P 20001020 (60)  
US 2000-244617P 20001101 (60)  
US 2000-225268P 20000814 (60)  
US 2000-236368P 20000929 (60)  
US 2000-251856P 20001208 (60)  
US 2000-251868P 20001208 (60)  
US 2000-229344P 20000901 (60)  
US 2000-234997P 20000925 (60)  
US 2000-229343P 20000901 (60)  
US 2000-229345P 20000901 (60)  
US 2000-229287P 20000901 (60)  
US 2000-229513P 20000905 (60)  
US 2000-231413P 20000908 (60)  
US 2000-229509P 20000905 (60)  
US 2000-236367P 20000929 (60)  
US 2000-237039P 20001002 (60)  
US 2000-237038P 20001002 (60)  
US 2000-236370P 20000929 (60)  
US 2000-236802P 20001002 (60)  
US 2000-237037P 20001002 (60)  
US 2000-237040P 20001002 (60)  
US 2000-240960P 20001020 (60)  
US 2000-239935P 20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24



ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 22023

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

L4 ANSWER 21 OF 64 USPATFULL

AN 2002:164735 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002086353 A1 20020704

AI US 2001-764856 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)

US 2000-214886P 20000628 (60)

US 2000-217487P 20000711 (60)

US 2000-225758P 20000814 (60)

US 2000-220963P 20000726 (60)

US 2000-217496P 20000711 (60)

US 2000-225447P 20000814 (60)

US 2000-218290P 20000714 (60)

US 2000-225757P 20000814 (60)

US 2000-226868P 20000822 (60)

US 2000-216647P 20000707 (60)

US 2000-225267P 20000814 (60)

US 2000-216880P 20000707 (60)

US 2000-225270P 20000814 (60)

US 2000-251869P 20001208 (60)

US 2000-235834P 20000927 (60)

US 2000-234274P 20000921 (60)

US 2000-234223P 20000921 (60)

US 2000-228924P 20000830 (60)

US 2000-224518P 20000814 (60)

US 2000-236369P 20000929 (60)

US 2000-224519P 20000814 (60)

US 2000-220964P 20000726 (60)

US 2000-241809P 20001020 (60)

US 2000-249299P 20001117 (60)

US 2000-236327P 20000929 (60)

US 2000-241785P 20001020 (60)

US 2000-244617P 20001101 (60)

US 2000-225268P 20000814 (60)  
US 2000-236368P 20000929 (60)  
US 2000-251856P 20001208 (60)  
US 2000-251868P 20001208 (60)  
US 2000-229344P 20000901 (60)  
US 2000-234997P 20000925 (60)  
US 2000-229343P 20000901 (60)  
US 2000-229345P 20000901 (60)  
US 2000-229287P 20000901 (60)  
US 2000-229513P 20000905 (60)  
US 2000-231413P 20000908 (60)  
US 2000-229509P 20000905 (60)  
US 2000-236367P 20000929 (60)  
US 2000-237039P 20001002 (60)  
US 2000-237038P 20001002 (60)  
US 2000-236370P 20000929 (60)  
US 2000-236802P 20001002 (60)  
US 2000-237037P 20001002 (60)  
US 2000-237040P 20001002 (60)  
US 2000-240960P 20001020 (60)  
US 2000-239935P 20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 23314

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

L4 ANSWER 22 OF 64 USPATFULL

AN 2002:164712 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002086330 A1 20020704

AI US 2001-764893 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)

US 2000-214886P 20000628 (60)

US 2000-217487P 20000711 (60)

US 2000-225758P	20000814 (60)
US 2000-220963P	20000726 (60)
US 2000-217496P	20000711 (60)
US 2000-225447P	20000814 (60)
US 2000-218290P	20000714 (60)
US 2000-225757P	20000814 (60)
US 2000-226868P	20000822 (60)
US 2000-216647P	20000707 (60)
US 2000-225267P	20000814 (60)
US 2000-216880P	20000707 (60)
US 2000-225270P	20000814 (60)
US 2000-251869P	20001208 (60)
US 2000-235834P	20000927 (60)
US 2000-234274P	20000921 (60)
US 2000-234223P	20000921 (60)
US 2000-228924P	20000830 (60)
US 2000-224518P	20000814 (60)
US 2000-236369P	20000929 (60)
US 2000-224519P	20000814 (60)
US 2000-220964P	20000726 (60)
US 2000-241809P	20001020 (60)
US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
US 2000-244617P	20001101 (60)
US 2000-225268P	20000814 (60)
US 2000-236368P	20000929 (60)
US 2000-251856P	20001208 (60)
US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 25862

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically,

isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

L4 ANSWER 23 OF 64 USPATFULL

AN 2002:157060 USPATFULL

TI Nucleic acids, proteins and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002081659 A1 20020627

AI US 2001-925297 A1 20010810 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US5989, filed on 8 Mar 2000,  
UNKNOWN

PRAI US 1999-124270P 19990312 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 20326

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel pancreatic related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "pancreatic antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such pancreatic polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the pancreas, including, but not limited to, the presence of pancreatic cancer and pancreatic cancer metastases. More specifically, isolated pancreatic nucleic acid molecules are provided encoding novel pancreatic polypeptides. Novel pancreatic polypeptides and antibodies that bind to

these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human pancreatic polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the pancreas, including pancreatic cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

L4 ANSWER 24 OF 64 USPATFULL

AN 2002:157008 USPATFULL

TI Four disulfide core domain-containing (FDCD) polynucleotides, polypeptides, and antibodies

IN Ruben, Steven M., Olney, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES

PI US 2002081607 A1 20020627

AI US 2001-874062 A1 20010606 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US32462, filed on 29 Nov 2000, UNKNOWN

PRAI US 1999-168229P 19991201 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 11572

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human FDCD polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human FDCD polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human FDCD polypeptides.

L4 ANSWER 25 OF 64 USPATFULL

AN 2002:149306 USPATFULL

TI ADAM polynucleotides, polypeptides, and antibodies

IN Shi, Yanggu, Gaithersburg, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002077465 A1 20020620

AI US 2001-945676 A1 20010905 (9)

RLI Continuation-in-part of Ser. No. WO 2001-US5497, filed on 22 Feb 2001, UNKNOWN

PRAI US 2000-187937P 20000303 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 12287

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human ADAM polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human ADAM polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human ADAM polypeptides.

L4 ANSWER 26 OF 64 USPATFULL

AN 2002:149299 USPATFULL

TI Death domain-containing receptor polynucleotides, polypeptides, and antibodies

IN Ni, Jian, Germantown, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002077458 A1 20020620

AI US 2001-835788 A1 20010417 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US28666, filed on 17 Oct 2000, UNKNOWN

PRAI US 1999-159585P 19991018 (60)

US 1999-167246P 19991124 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 14143

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human DDCR polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human DDCR polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human DDCR polypeptides.

L4 ANSWER 27 OF 64 USPATFULL

AN 2002:149131 USPATFULL

TI 28 human secreted proteins

IN Ruben, Steven M., Olney, MD, UNITED STATES

Rosen, Craig A., Laytonsville, MD, UNITED STATES

Li, Yi, Sunnyvale, CA, UNITED STATES

Zeng, Zhizhen, Lansdale, PA, UNITED STATES

Kyaw, Hla, Frederick, MD, UNITED STATES

Fischer, Carrie L., Burke, VA, UNITED STATES

Li, Haodong, Gaithersburg, MD, UNITED STATES

Soppet, Daniel R., Centreville, VA, UNITED STATES

Gentz, Reiner L., Rockville, MD, UNITED STATES

Wei, Ying-Fei, Berkeley, CA, UNITED STATES

Moore, Paul A., Germantown, MD, UNITED STATES

Young, Paul E., Gaithersburg, MD, UNITED STATES

Greene, John M., Gaithersburg, MD, UNITED STATES

Ferrie, Ann M., Tewksbury, MA, UNITED STATES

PI US 2002077287 A1 20020620

AI US 2001-852659 A1 20010511 (9)

RLI Continuation-in-part of Ser. No. US 1998-152060, filed on 11 Sep 1998,  
UNKNOWN

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 17779

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

L4 ANSWER 28 OF 64 USPATFULL

AN 2002:149114 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002077270 A1 20020620

AI US 2001-764848 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)

US 2000-214886P 20000628 (60)

US 2000-217487P 20000711 (60)

US 2000-225758P 20000814 (60)

US 2000-220963P 20000726 (60)

US 2000-217496P 20000711 (60)

US 2000-225447P 20000814 (60)

US 2000-218290P 20000714 (60)

US 2000-225757P 20000814 (60)

US 2000-226868P 20000822 (60)

US 2000-216647P 20000707 (60)

US 2000-225267P 20000814 (60)

US 2000-216880P 20000707 (60)

US 2000-225270P 20000814 (60)

US 2000-251869P 20001208 (60)

US 2000-235834P 20000927 (60)

US 2000-234274P 20000921 (60)

US 2000-234223P 20000921 (60)

US 2000-228924P 20000830 (60)

US 2000-224518P 20000814 (60)

US 2000-236369P 20000929 (60)

US 2000-224519P 20000814 (60)

US 2000-220964P 20000726 (60)

US 2000-241809P 20001020 (60)

US 2000-249299P 20001117 (60)

US 2000-236327P 20000929 (60)

US 2000-241785P 20001020 (60)  
US 2000-244617P 20001101 (60)  
US 2000-225268P 20000814 (60)  
US 2000-236368P 20000929 (60)  
US 2000-251856P 20001208 (60)  
US 2000-251868P 20001208 (60)  
US 2000-229344P 20000901 (60)  
US 2000-234997P 20000925 (60)  
US 2000-229343P 20000901 (60)  
US 2000-229345P 20000901 (60)  
US 2000-229287P 20000901 (60)  
US 2000-229513P 20000905 (60)  
US 2000-231413P 20000908 (60)  
US 2000-229509P 20000905 (60)  
US 2000-236367P 20000929 (60)  
US 2000-237039P 20001002 (60)  
US 2000-237038P 20001002 (60)  
US 2000-236370P 20000929 (60)  
US 2000-236802P 20001002 (60)  
US 2000-237037P 20001002 (60)  
US 2000-237040P 20001002 (60)  
US 2000-240960P 20001020 (60)  
US 2000-239935P 20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 20057

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

L4 ANSWER 29 OF 64 USPATFULL

AN 2002:148614 USPATFULL

TI 28 human secreted proteins

IN Ruben, Steven M., Olney, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Li, Yi, Sunnyvale, CA, UNITED STATES  
Zeng, ZhiZhen, Lansdale, PA, UNITED STATES  
Kyaw, Hla, Frederick, MD, UNITED STATES  
Fischer, Carrie L., Burke, VA, UNITED STATES  
Li, Haodong, Gaithersburg, MD, UNITED STATES



Soppet, Daniel R., Centreville, VA, UNITED STATES  
Gentz, Reiner L., Rockville, MD, UNITED STATES  
Wei, Ying-Fei, Berkeley, CA, UNITED STATES  
Moore, Paul A., Germantown, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Greene, John M., Gaithersburg, MD, UNITED STATES  
Ferrie, Ann M., Painted Post, NY, UNITED STATES

PI US 2002076756 A1 20020620

AI US 2001-853161 A1 20010511 (9)

PRAI US 2001-265583P 20010202 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 17788

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

L4 ANSWER 30 OF 64 USPATFULL

AN 2002:148564 USPATFULL

TI 31 human secreted proteins

IN Ruben, Steven M., Olney, MD, UNITED STATES

Rosen, Craig A., Laytonsville, MD, UNITED STATES

Duan, Roxanne D., Bethesda, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES

LaFleur, David W., Washington, DC, UNITED STATES

Young, Paul E., Gaithersburg, MD, UNITED STATES

Ni, Jian, Rockville, MD, UNITED STATES

Komatsoulis, George, Silver Spring, MD, UNITED STATES

Endress, Gregory A., Potomac, MD, UNITED STATES

Soppet, Daniel R., Centreville, VA, UNITED STATES

PI US 2002076705 A1 20020620

AI US 2001-820893 A1 20010330 (9)

RLI Continuation of Ser. No. US 2000-531119, filed on 20 Mar 2000, ABANDONED

Continuation-in-part of Ser. No. WO 1999-US22012, filed on 22 Sep 1999,

UNKNOWN

PRAI US 1998-101546P 19980923 (60)

US 1998-102895P 19981002 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 17043

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and

isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

L4 ANSWER 31 OF 64 USPATFULL

AN 2002:141609 USPATFULL

TI Transferrin polynucleotides, polypeptides, and antibodies

IN Ruben, Steven M., Olney, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES

PI US 2002072596 A1 20020613

AI US 2001-891126 A1 20010626 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US34769, filed on 21 Dec 2000,  
UNKNOWN

PRAI US 1999-171595P 19991223 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 12048

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human transferrin polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human transferrin polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human transferrin polypeptides.

L4 ANSWER 32 OF 64 USPATFULL

AN 2002:133469 USPATFULL

TI Serine protease polynucleotides, polypeptides, and antibodies

IN Shi, Yanggu, Gaithersburg, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Ni, Jian, Germantown, MD, UNITED STATES

PI US 2002068320 A1 20020606

AI US 2001-804156 A1 20010313 (9)

PRAI US 2000-189025P 20000314 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 13119

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human serine protease polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human serine protease polypeptides. The invention further relates to diagnostic and

therapeutic methods useful for diagnosing and treating disorders related to these novel human serine protease polypeptides.

L4 ANSWER 33 OF 64 USPATFULL

AN 2002:133468 USPATFULL

TI 32 human secreted proteins

IN Ni, Jian, Germantown, MD, UNITED STATES

Baker, Kevin P., Darnestown, MD, UNITED STATES

Birse, Charles E., North Potomac, MD, UNITED STATES

Ebner, Reinhard, Gaithersburg, MD, UNITED STATES

Fiscella, Michele, Bethesda, MD, UNITED STATES

Komatsoulis, George A., Silver Spring, MD, UNITED STATES

LaFleur, David W., Washington, DC, UNITED STATES

Moore, Paul A., Germantown, MD, UNITED STATES

Olsen, Henrik S., Gaithersburg, MD, UNITED STATES

Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Soppet, Daniel R., Centreville, VA, UNITED STATES

Young, Paul E., Gaithersburg, MD, UNITED STATES

Wei, Ping, Brookeville, MD, UNITED STATES

Florence, Kimberly A., Rockville, MD, UNITED STATES

PI US 2002068319 A1 20020606

AI US 2001-800729 A1 20010308 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US26013, filed on 22 Sep 2000,  
UNKNOWN

PRAI US 1999-155709P 19990924 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN 22 Drawing Page(s)

LN.CNT 36956

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

L4 ANSWER 34 OF 64 USPATFULL

AN 2002:126703 USPATFULL

TI Immunoglobulin superfamily polynucleotides, polypeptides, and antibodies

IN Young, Paul E., Gaithersburg, MD, UNITED STATES

Ni, Jain, Rockville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES

PI US 2002065220 A1 20020530

AI US 2001-799514 A1 20010307 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US23662, filed on 29 Aug 2000,  
UNKNOWN

PRAI US 1999-152248P 19990903 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 12437

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human Ig-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human Ig-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human Ig-like polypeptides.

L4 ANSWER 35 OF 64 USPATFULL

AN 2002:126332 USPATFULL

TI Human protein tyrosine phosphatase polynucleotides, polypeptides, and antibodies

IN Shi, Yanggu, Gaithersburg, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002064844 A1 20020530

AI US 2001-906779 A1 20010718 (9)

RLI Continuation-in-part of Ser. No. WO 2001-US1563, filed on 17 Jan 2001, UNKNOWN

PRAI US 2000-176306P 20000118 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 12129

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human PTPase polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human PTPase polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human PTPase polypeptides.

L4 ANSWER 36 OF 64 USPATFULL

AN 2002:126314 USPATFULL

TI Cytokine receptor-like polynucleotides, polypeptides, and antibodies

IN Ruben, Steven M., Olney, MD, UNITED STATES

Ni, Jian, Germantown, MD, UNITED STATES

Young, Paul E., Gaithersburg, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES

PI US 2002064826 A1 20020530

AI US 2001-874069 A1 20010606 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US32525, filed on 30 Nov 2000, UNKNOWN

PRAI US 1999-168621P 19991203 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 12089

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human cytokine receptor-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human cytokine receptor-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human cytokine receptor-like polypeptides.

L4 ANSWER 37 OF 64 USPATFULL

AN 2002:126306 USPATFULL

TI 52 human secreted proteins

IN Ni, Jian, Germantown, MD, UNITED STATES

Baker, Kevin P., Darnestown, MD, UNITED STATES

Birse, Charles E., North Potomac, MD, UNITED STATES

Fiscella, Michele, Bethesda, MD, UNITED STATES

Komatsoulis, George A., Silver Spring, MD, UNITED STATES

Rosen, Craig A., Laytonsville, MD, UNITED STATES

Soppet, Daniel R., Centreville, VA, UNITED STATES

Young, Paul E., Gaithersburg, MD, UNITED STATES

Ebner, Reinhard, Gaithersburg, MD, UNITED STATES

Duan, D. Roxanne, Bethesda, MD, UNITED STATES

Olsen, Henrik S., Gaithersburg, MD, UNITED STATES

LaFleur, David W., Washington, DC, UNITED STATES

Moore, Paul A., Germantown, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES

Wei, Ping, Brookeville, MD, UNITED STATES

Florence, Kimberly A., Rockville, MD, UNITED STATES

PI US 2002064818 A1 20020530

AI US 2001-789561 A1 20010222 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US24008, filed on 31 Aug 2000,  
UNKNOWN

PRAI US 1999-152317P 19990903 (60)

US 1999-152315P 19990903 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 24623

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

L4 ANSWER 38 OF 64 USPATFULL  
AN 2002:119846 USPATFULL  
TI Human G-protein Chemokine receptor (CCR5) HDGNR10  
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Roschke, Viktor, Rockville, MD, UNITED STATES  
Li, Yi, Sunnyvale, CA, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
PI US 2002061834 A1 20020523  
AI US 2001-779880 A1 20010209 (9)  
PRAI US 2000-181258P 20000209 (60)  
US 2000-187999P 20000309 (60)  
US 2000-234336P 20000922 (60)  
DT Utility  
FS APPLICATION  
LREP STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., SUITE  
600, WASHINGTON, DC, 20005-3934  
CLMN Number of Claims: 61  
ECL Exemplary Claim: 1  
DRWN 4 Drawing Page(s)  
LN.CNT 18667

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a novel human protein called Human G-protein Chemokine Receptor (CCR5) HDGNR10, and isolated polynucleotides encoding this protein. The invention is also directed to human antibodies that bind Human G-protein Chemokine Receptor (CCR5) HDGNR10 and to polynucleotides encoding those antibodies. Also provided are vectors, host cells, antibodies, and recombinant methods for producing Human G-protein Chemokine Receptor (CCR5) HDGNR10 and human anti-Human G-protein Chemokine Receptor (CCR5) HDGNR10 antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to this novel human protein and these novel human antibodies.

L4 ANSWER 39 OF 64 USPATFULL  
AN 2002:119538 USPATFULL  
TI Nucleic acids, proteins, and antibodies  
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES  
PI US 2002061521 A1 20020523  
AI US 2001-764869 A1 20010117 (9)  
PRAI US 2000-179065P 20000131 (60)  
DT Utility  
FS APPLICATION  
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850  
CLMN Number of Claims: 24  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 27967

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel cardiovascular system related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "cardiovascular system antigens," and the use of such cardiovascular system antigens for detecting disorders of

the cardiovascular system, particularly the presence of cancer of cardiovascular system tissues and cancer metastases. More specifically, isolated cardiovascular system associated nucleic acid molecules are provided encoding novel cardiovascular system associated polypeptides. Novel cardiovascular system polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human cardiovascular system associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the cardiovascular system, including cancer of cardiovascular system tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

L4 ANSWER 40 OF 64 USPATFULL

AN 2002:106416 USPATFULL

TI Nucleic acids, proteins and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002055627 A1 20020509

AI US 2001-925299 A1 20010810 (9)

RLI Continuation of Ser. No. WO 2000-US5883, filed on 8 Mar 2000, UNKNOWN

PRAI US 1999-124270P 19990312 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 20658

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel colorectal cancer related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "colorectal cancer antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such colorectal cancer polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the colon and/or rectum, including, but not limited to, the presence of colorectal cancer and colorectal cancer metastases. More specifically, isolated colorectal cancer nucleic acid molecules are provided encoding novel colorectal cancer polypeptides. Novel colorectal cancer polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human colorectal cancer polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the colon and/or rectum, including colorectal cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for

inhibiting or promoting the production and/or function of the polypeptides of the invention.

L4 ANSWER 41 OF 64 USPATFULL

AN 2002:105937 USPATFULL

TI Major intrinsic protein (MIP)-like polynucleotides, polypeptides, and antibodies

IN Ruben, Steven A., Olney, MD, UNITED STATES

Ni, Jian, Germantown, MD, UNITED STATES

PA Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)

PI US 2002055142 A1 20020509

AI US 2001-862419 A1 20010523 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US31919, filed on 21 Nov 2000, UNKNOWN

PRAI US 1999-167247P 19991124 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 11747

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human MIP-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human MIP-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human MIP-like polypeptides.

L4 ANSWER 42 OF 64 USPATFULL

AN 2002:99407 USPATFULL

TI Nucleic acids, proteins and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002052308 A1 20020502

AI US 2001-925301 A1 20010810 (9)

RLI Continuation of Ser. No. WO 2000-US5882, filed on 8 Mar 2000, UNKNOWN

PRAI US 1999-124270P 19990312 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 30577

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to newly identified tissue specific cancer associated polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "cancer antigens," and to the complete gene sequences associated therewith and to the expression products thereof, as well as the use of such tissue specific cancer antigens for detection, prevention and treatment of tissue specific disorders, particularly the presense of cancer. This invention relates



to the cancer antigens as well as vectors, host cells, antibodies directed to cancer antigens and recombinant and synthetic methods for producing the same. Also provided are diagnostic methods for diagnosing and treating, preventing and/or prognosing tissue specific disorders, including cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of cancer antigens of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and/or function of the polypeptides of the present invention.

L4 ANSWER 43 OF 64 USPATFULL

AN 2002:99088 USPATFULL

TI Kringle domain-containing polynucleotides, polypeptides, and antibodies

IN Ni, Jian, Germantown, MD, UNITED STATES

Moore, Paul A., Germantown, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002051984 A1 20020502

AI US 2001-848288 A1 20010504 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US30664, filed on 8 Nov 2000,  
UNKNOWN

PRAI US 1999-164853P 19991112 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 12041

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human KDC polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human KDC polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human KDC polypeptides.

L4 ANSWER 44 OF 64 USPATFULL

AN 2002:92268 USPATFULL

TI Human G-protein Chemokine Receptor HDGNR10

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Roschke, Viktor, Rockville, MD, UNITED STATES

Li, Yi, Sunnyvale, CA, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002048786 A1 20020425

AI US 2001-779879 A1 20010209 (9)

PRAI US 2000-181258P 20000209 (60)

US 2000-187999P 20000309 (60)

US 2000-234336P 20000922 (60)

DT Utility

FS APPLICATION

LREP STERNE, KESSLER, GOLDSTEIN & FOX PLLC, 1100 NEW YORK AVENUE, N.W., SUITE  
600, WASHINGTON, DC, 20005-3934

CLMN Number of Claims: 61

ECL Exemplary Claim: 1  
DRWN 4 Drawing Page(s)  
LN.CNT 17969

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a novel human protein called Human G-protein Chemokine Receptor (CCR5) HDGNR10, and isolated polynucleotides encoding this protein. The invention is also directed to human antibodies that bind Human G-protein Chemokine Receptor (CCR5) HDGNR10 and to polynucleotides encoding those antibodies. Also provided are vectors, host cells, antibodies, and recombinant methods for producing Human G-protein Chemokine Receptor (CCR5) HDGNR10 and human anti-Human G-protein Chemokine Receptor (CCR5) HDGNR10 antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to this novel human protein and these novel human antibodies.

L4 ANSWER 45 OF 64 USPATFULL

AN 2002:85190 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Rubin, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002045230 A1 20020418

AI US 2001-908711 A1 20010720 (9)

RLI Continuation-in-part of Ser. No. WO 2001-US1360, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764867, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1344, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764892, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1345, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764888, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1329, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764905, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764891, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1339, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764869, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1340, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764874, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1334, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764898, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1320, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764853, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764902, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1239, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764870, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1348, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764882, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1347, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764896, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1307, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. US 2001-764864, filed on 17 Jan 2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1341, filed on 17 Jan 2001, UNKNOWN Continuation-in-part

of Ser. No. US 2001-764856, filed on 17 Jan 2001, UNKNOWN  
Continuation-in-part of Ser. No. WO 2001-US1336, filed on 17 Jan 2001,  
UNKNOWN Continuation-in-part of Ser. No. US 2001-764868, filed on 17 Jan  
2001, UNKNOWN Continuation-in-part of Ser. No. WO 2001-US1312, filed on  
17 Jan 2001, UNKNOWN

PRAI US 2000-179065P 20000131 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 24462

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel ovarian related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "ovarian antigens," and the use of such ovarian antigens for detecting disorders of the ovaries and/or breast, particularly the presence of ovarian and/or breast cancer and ovarian and/or breast cancer metastases. More specifically, isolated ovarian associated nucleic acid molecules are provided encoding novel ovarian associated polypeptides. Novel ovarian polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human ovarian associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the ovaries and/or breast, including ovarian and/or breast cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

L4 ANSWER 46 OF 64 USPATFULL

AN 2002:85179 USPATFULL

TI Production of human monoclonal antibodies

IN Dessain, Scott K., Brookline, MA, UNITED STATES

Goldsby, Richard A., Leverett, MA, UNITED STATES

PA Whitehead Institute for Biomedical Research, Cambridge, MA, UNITED STATES (U.S. corporation)

PI US 2002045219 A1 20020418

AI US 2001-759984 A1 20010112 (9)

PRAI US 2000-222473P 20000802 (60)

DT Utility

FS APPLICATION

LREP HAMILTON, BROOK, SMITH & REYNOLDS, P.C., 530 VIRGINIA ROAD, P.O. BOX  
9133, CONCORD, MA, 01742-9133

CLMN Number of Claims: 81

ECL Exemplary Claim: 1

DRWN 6 Drawing Page(s)

LN.CNT 2292

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Hybridomas produced from human B-lymphocytes and other human (non-B lineage) cells and an ectopically expressed telomerase gene; mammalian

cell lines that ectopically express telomerase and methods of using such cell lines in producing novel hybrid cells (hybridomas) that produce human monoclonal antibodies; human monoclonal antibodies produced by such novel hybridomas and DNA constructs useful for producing mammalian cell lines that ectopically express telomerase.

L4 ANSWER 47 OF 64 USPATFULL

AN 2002:84902 USPATFULL

TI Nucleic acids, proteins and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002044941 A1 20020418

AI US 2001-925302 A1 20010810 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US5918, filed on 8 Mar 2000,  
UNKNOWN

PRAI US 1999-124270P 19990312 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 21121

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel lung cancer related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "lung cancer antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such lung cancer polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the lung, including, but not limited to, the presence of lung cancer and lung cancer metastases. More specifically, isolated lung cancer nucleic acid molecules are provided encoding novel lung cancer polypeptides. Novel lung cancer polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human lung cancer polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the lung, including lung cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

L4 ANSWER 48 OF 64 USPATFULL

AN 2002:78729 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002042386 A1 20020411

AI US 2001-764870 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P	20000204 (60)
US 2000-214886P	20000628 (60)
US 2000-217487P	20000711 (60)
US 2000-225758P	20000814 (60)
US 2000-220963P	20000726 (60)
US 2000-217496P	20000711 (60)
US 2000-225447P	20000814 (60)
US 2000-218290P	20000714 (60)
US 2000-225757P	20000814 (60)
US 2000-226868P	20000822 (60)
US 2000-216647P	20000707 (60)
US 2000-225267P	20000814 (60)
US 2000-216880P	20000707 (60)
US 2000-225270P	20000814 (60)
US 2000-251869P	20001208 (60)
US 2000-235834P	20000927 (60)
US 2000-234274P	20000921 (60)
US 2000-234223P	20000921 (60)
US 2000-228924P	20000830 (60)
US 2000-224518P	20000814 (60)
US 2000-236369P	20000929 (60)
US 2000-224519P	20000814 (60)
US 2000-220964P	20000726 (60)
US 2000-241809P	20001020 (60)
US 2000-249299P	20001117 (60)
US 2000-236327P	20000929 (60)
US 2000-241785P	20001020 (60)
US 2000-244617P	20001101 (60)
US 2000-225268P	20000814 (60)
US 2000-236368P	20000929 (60)
US 2000-251856P	20001208 (60)
US 2000-251868P	20001208 (60)
US 2000-229344P	20000901 (60)
US 2000-234997P	20000925 (60)
US 2000-229343P	20000901 (60)
US 2000-229345P	20000901 (60)
US 2000-229287P	20000901 (60)
US 2000-229513P	20000905 (60)
US 2000-231413P	20000908 (60)
US 2000-229509P	20000905 (60)
US 2000-236367P	20000929 (60)
US 2000-237039P	20001002 (60)
US 2000-237038P	20001002 (60)
US 2000-236370P	20000929 (60)
US 2000-236802P	20001002 (60)
US 2000-237037P	20001002 (60)
US 2000-237040P	20001002 (60)
US 2000-240960P	20001020 (60)
US 2000-239935P	20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 23133

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel proteins. More specifically, isolated nucleic acid molecules are provided encoding novel polypeptides. Novel polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human polynucleotides and/or polypeptides, and antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to these novel polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.

L4 ANSWER 49 OF 64 USPATFULL

AN 2002:78715 USPATFULL

TI Stanniocalcin polynucleotides, polypeptides, and methods based thereon

IN Olsen, Henrik S., Gaithersburg, MD, UNITED STATES

Zhang, Ke-Zhou, Brussels, BELGIUM

Lindsberg, Perttu, Helsinki, FINLAND

Tatlisumak, Turgut, Helsinki, FINLAND

Kaste, Markku, Vantaa, FINLAND

Andersson, Leif C., Helsinki, FINLAND

PA Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

PI US 2002042372 A1 20020411

AI US 2001-840989 A1 20010425 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US29432, filed on 26 Oct 2000, UNKNOWN

PRAI US 1999-161740P 19991027 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 47

ECL Exemplary Claim: 1

DRWN 12 Drawing Page(s)

LN.CNT 9559

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to human stanniocalcin (STC) polynucleotides, polypeptides, and other Stanniocalcin compositions and to novel methods based thereon. In a specific embodiment, the Stanniocalcin compositions of the invention are used to treat or protect neural cells. Moreover, the present invention relates to vectors, host cells, antibodies, and recombinant and synthetic methods for producing the Stanniocalcin compositions of the invention. Also provided are diagnostic methods for detecting or prognosing diseases, disorders, damage or injury, associated with alterations of the Stanniocalcin compositions of the invention, and to therapeutic methods for treating such diseases, disorders, damage or injury.

L4 ANSWER 50 OF 64 USPATFULL

AN 2002:78442 USPATFULL

TI Nucleic acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
Barash, Steven C., Rockville, MD, UNITED STATES

PI US 2002042096 A1 20020411

AI US 2001-764887 A1 20010117 (9)

PRAI US 2000-179065P 20000131 (60)

US 2000-180628P 20000204 (60)

US 2000-214886P 20000628 (60)

US 2000-217487P 20000711 (60)

US 2000-225758P 20000814 (60)

US 2000-220963P 20000726 (60)

US 2000-217496P 20000711 (60)

US 2000-225447P 20000814 (60)

US 2000-218290P 20000714 (60)

US 2000-225757P 20000814 (60)

US 2000-226868P 20000822 (60)

US 2000-216647P 20000707 (60)

US 2000-225267P 20000814 (60)

US 2000-216880P 20000707 (60)

US 2000-225270P 20000814 (60)

US 2000-251869P 20001208 (60)

US 2000-235834P 20000927 (60)

US 2000-234274P 20000921 (60)

US 2000-234223P 20000921 (60)

US 2000-228924P 20000830 (60)

US 2000-224518P 20000814 (60)

US 2000-236369P 20000929 (60)

US 2000-224519P 20000814 (60)

US 2000-220964P 20000726 (60)

US 2000-241809P 20001020 (60)

US 2000-249299P 20001117 (60)

US 2000-236327P 20000929 (60)

US 2000-241785P 20001020 (60)

US 2000-244617P 20001101 (60)

US 2000-225268P 20000814 (60)

US 2000-236368P 20000929 (60)

US 2000-251856P 20001208 (60)

US 2000-251868P 20001208 (60)

US 2000-229344P 20000901 (60)

US 2000-234997P 20000925 (60)

US 2000-229343P 20000901 (60)

US 2000-229345P 20000901 (60)

US 2000-229287P 20000901 (60)

US 2000-229513P 20000905 (60)

US 2000-231413P 20000908 (60)

US 2000-229509P 20000905 (60)

US 2000-236367P 20000929 (60)

US 2000-237039P 20001002 (60)

US 2000-237038P 20001002 (60)

US 2000-236370P 20000929 (60)

US 2000-236802P 20001002 (60)

US 2000-237037P 20001002 (60)

US 2000-237040P 20001002 (60)

US 2000-240960P 20001020 (60)

US 2000-239935P 20001013 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 24

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 19583

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel liver related polynucleotides and the polypeptides encoded by these polynucleotides herein collectively known as "liver antigens," and the use of such liver antigens for detecting disorders of the liver, particularly the presence of cancer of liver and cancer metastases. More specifically, isolated liver associated nucleic acid molecules are provided encoding novel liver associated polypeptides. Novel liver polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human liver associated polynucleotides and/or polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the liver, including cancer of liver tissues, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further relates to methods and/or compositions for inhibiting the production and function of the polypeptides of the present invention.

L4 ANSWER 51 OF 64 USPATFULL

AN 2002:72627 USPATFULL

TI Nucleic, acids, proteins, and antibodies

IN Rosen, Craig A., Laytonsville, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002039764 A1 20020404

AI US 2001-925298 A1 20010810 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US5881, filed on 8 Mar 2000,  
UNKNOWN

PRAI US 1999-124270P 19990312 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 20087

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel ovarian cancer and/or breast cancer related polynucleotides, the polypeptides encoded by these polynucleotides herein collectively referred to as "ovarian and/or breast antigens," and antibodies that immunospecifically bind these polypeptides, and the use of such ovarian and/or breast polynucleotides, antigens, and antibodies for detecting, treating, preventing and/or prognosing disorders of the reproductive system, particularly disorders of the ovaries and/or breast, including, but not limited to, the presence of ovarian and/or breast cancer and ovarian and/or breast cancer metastases. More specifically, isolated ovarian and/or breast



nucleic acid molecules are provided encoding novel ovarian and/or breast polypeptides. Novel ovarian and/or breast polypeptides and antibodies that bind to these polypeptides are provided. Also provided are vectors, host cells, and recombinant and synthetic methods for producing human ovarian and/or breast polynucleotides, polypeptides, and/or antibodies. The invention further relates to diagnostic and therapeutic methods useful for diagnosing, treating, preventing and/or prognosing disorders related to the ovaries and/or breast, including ovarian and/or breast cancer, and therapeutic methods for treating such disorders. The invention further relates to screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The invention further relates to methods and/or compositions for inhibiting or promoting the production and/or function of the polypeptides of the invention.

L4 ANSWER 52 OF 64 USPATFULL

AN 2002:66896 USPATFULL

TI ABC transport polynucleotides, polypeptides, and antibodies

IN Ruben, Steven M., Olney, MD, UNITED STATES

Ni, Jian, Germantown, MD, UNITED STATES

Moore, Paul A., Germantown, MD, UNITED STATES

PI US 2002037549 A1 20020328

AI US 2001-767870 A1 20010124 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US19736, filed on 20 Jul 2000,  
UNKNOWN

PRAI US 1999-145215P 19990723 (60)

US 1999-149445P 19990818 (60)

US 1999-164730P 19991112 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 12219

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human ABC transport polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human ABC transport polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human ABC transport polypeptides.

L4 ANSWER 53 OF 64 USPATFULL

AN 2002:66870 USPATFULL

TI IL-6-like polynucleotides, polypeptides, and antibodies

IN Ruben, Steven M., Olney, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES

PI US 2002037523 A1 20020328

AI US 2001-875016 A1 20010607 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US33134, filed on 7 Dec 2000,  
UNKNOWN

PRAI US 1999-169838P 19991209 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 11587

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human IL-6-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human IL-6-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human IL-6-like polypeptides.

L4 ANSWER 54 OF 64 USPATFULL

AN 2002:48258 USPATFULL

TI 26 Human secreted proteins

IN Ruben, Steven M., Olney, MD, UNITED STATES

Birse, Charles E., North Potomac, MD, UNITED STATES

Duan, Roxanne D., Bethesda, MD, UNITED STATES

Soppet, Daniel R., Centreville, VA, UNITED STATES

Rosen, Craig A., Laytonsville, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES

LaFleur, David W., Washington, DC, UNITED STATES

Olsen, Henrik, Gaithersburg, MD, UNITED STATES

Ebner, Reinhard, Gaithersburg, MD, UNITED STATES

Florence, Kimberly A., Rockville, MD, UNITED STATES

Ni, Jian, Rockville, MD, UNITED STATES

Young, Paul, Gaithersburg, MD, UNITED STATES

PI US 2002028449 A1 20020307

AI US 2000-726643 A1 20001201 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US15187, filed on 2 Jun 2000,  
UNKNOWN

PRAI US 1999-137725P 19990607 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 20287

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

L4 ANSWER 55 OF 64 USPATFULL

AN 2002:43187 USPATFULL

TI Transforming growth factor alpha HIII

IN Wei, Ying-Fei, Berkeley, CA, UNITED STATES

PI US 2002025553 A1 20020228  
AI US 2000-726348 A1 20001201 (9)  
RLI Continuation-in-part of Ser. No. US 1997-778545, filed on 3 Jan 1997,  
PENDING  
PRAI US 1996-11136P 19960104 (60)  
US 1999-168387P 19991202 (60)  
DT Utility  
FS APPLICATION  
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850  
CLMN Number of Claims: 25  
ECL Exemplary Claim: 1  
DRWN 5 Drawing Page(s)  
LN.CNT 11810

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a novel human protein called Transforming Growth Factor Alpha III, and isolated polynucleotides encoding this protein. Also provided are vectors, host cells, antibodies, and recombinant methods for producing this human protein. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to this novel human protein.

L4 ANSWER 56 OF 64 USPATFULL

AN 2002:22131 USPATFULL

TI 18 Human secreted proteins

IN Shi, Yanggu, Gaithersburg, MD, UNITED STATES  
Young, Paul E., Gaithersburg, MD, UNITED STATES  
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES  
Soppet, Daniel R., Centreville, VA, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002012966 A1 20020131

AI US 2001-768826 A1 20010125 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US22350, filed on 15 Aug 2000,  
UNKNOWN

PRAI US 1999-148759P 19990816 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 23

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 18157

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.

L4 ANSWER 57 OF 64 USPATFULL

AN 2002:12261 USPATFULL

TI Uteroglobin-like polynucleotides, polypeptides, and antibodies

IN Ni, Jian, Germantown, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES  
PI US 2002006640 A1 20020117  
AI US 2001-846258 A1 20010502 (9)  
RLI Continuation-in-part of Ser. No. WO 2000-US30326, filed on 3 Nov 2000,  
UNKNOWN  
PRAI US 1999-163395P 19991104 (60)  
DT Utility  
FS APPLICATION  
LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850  
CLMN Number of Claims: 22  
ECL Exemplary Claim: 1  
DRWN No Drawings  
LN.CNT 12076

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human uteroglobin-like polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human uteroglobin-like polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human uteroglobin-like polypeptides.

L4 ANSWER 58 OF 64 USPATFULL

AN 2002:8489 USPATFULL

TI Retinoid receptor interacting polynucleotides, polypeptides, and antibodies

IN Shi, Yanggu, Gaithersburg, MD, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

PI US 2002004489 A1 20020110

AI US 2001-788600 A1 20010221 (9)

RLI Continuation-in-part of Ser. No. WO 2000-US22351, filed on 15 Aug 2000,  
UNKNOWN

PRAI US 1999-148757P 19990816 (60)

US 2000-189026P 20000314 (60)

DT Utility

FS APPLICATION

LREP HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850

CLMN Number of Claims: 22

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 11257

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to novel human RIP polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human RIP polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human RIP polypeptides.

L4 ANSWER 59 OF 64 USPATFULL

AN 2002:202239 USPATFULL

TI Keratinocyte derived interferon

IN LaFleur, David W., Washington, DC, United States

Moore, Paul A., Germantown, MD, United States

Ruben, Steven M., Olney, MD, United States  
PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)  
PI US 6433145 B1 20020813  
AI US 2000-487792 20000120 (9)  
RLI Continuation-in-part of Ser. No. US 1999-358587, filed on 21 Jul 1999, now abandoned Continuation-in-part of Ser. No. WO 1999-US16424, filed on 21 Jul 1999  
PRAI US 93643P (60)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Stucker, Jeffrey; Assistant Examiner: Seharaseyon, Jegatheesan  
LREP Human Genome Sciences, Inc.  
CLMN Number of Claims: 92  
ECL Exemplary Claim: 1  
DRWN 9 Drawing Figure(s); 9 Drawing Page(s)  
LN.CNT 13514  
AB The present invention relates to a novel KDI protein which is a member of the interferon family. In particular, isolated nucleic acid molecules are provided encoding a human interferon polypeptide, called "KDI". KDI polypeptides are also provided as are vectors, host cells and recombinant methods for producing the same. The invention further relates to screening methods for identifying agonists and antagonists of KDI activity. Also provided are therapeutic methods for treating immune system-related disorders.

L4 ANSWER 60 OF 64 USPATFULL  
AN 2002:116027 USPATFULL  
TI Human chemokine beta-10 mutant polypeptides  
IN Olsen, Henrik S., Gaithersburg, MD, United States  
Li, Haodong, Gaithersburg, MD, United States  
Adams, Mark D., North Potomac, MD, United States  
Gentz, Solange H. L., Rockville, MD, United States  
Alderson, Ralph, Gaithersburg, MD, United States  
Li, Yuling, Germantown, MD, United States  
Parmelee, David, Rockville, MD, United States  
White, John R., Coatsville, PA, United States  
Appelbaum, Edward R., Blue Bell, PA, United States  
PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)  
SmithKline Beecham, Corp., King of Prussia, PA, United States (U.S. corporation)  
PI US 6391589 B1 20020521  
AI US 2000-479729 20000107 (9)  
RLI Continuation-in-part of Ser. No. US 1995-462967, filed on 5 Jun 1995, now abandoned Continuation-in-part of Ser. No. US 1995-458355, filed on 2 Jun 1995, now patented, Pat. No. US 5981230 Continuation-in-part of Ser. No. WO 1994-US9484, filed on 23 Aug 1994  
PRAI US 1999-115439P 19990108 (60)  
DT Utility  
FS GRANTED  
EXNAM Primary Examiner: Mertz, Prema  
LREP Human Genome Sciences, Inc.  
CLMN Number of Claims: 50

ECL Exemplary Claim: 1

DRWN 21 Drawing Figure(s); 14 Drawing Page(s)

LN.CNT 11904

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Human chemokine Beta-10 polypeptides and DNA (RNA) encoding such chemokine polypeptides and a procedure for producing such polypeptides by recombinant techniques is disclosed. Also disclosed are methods for utilizing such chemokine polypeptides for the treatment of leukemia, tumors, chronic infections, autoimmune disease, fibrotic disorders, wound healing and psoriasis. Antagonists against such chemokine polypeptides and their use as a therapeutic to treat rheumatoid arthritis, autoimmune and chronic inflammatory and infective diseases, allergic reactions, prostaglandin-independent fever and bone marrow failure are also disclosed.

L4 ANSWER 61 OF 64 USPATFULL

AN 2002:81254 USPATFULL

TI Tissue plasminogen activator-like protease

IN Moore, Paul A., Germantown, MD, United States

Ruben, Steven M., Olney, MD, United States

Ebner, Reinhard, Gaithersburg, MD, United States

PA Human Genome Sciences, Inc., Rockville, MD, United States (U.S. corporation)

PI US 6372473 B1 20020416

AI US 1999-411977 19991004 (9)

RLI Continuation-in-part of Ser. No. US 1998-84491, filed on 27 May 1998

PRAI US 1997-48000P 19970528 (60)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Slobodyansky, Elizabeth

LREP Human Genome Sciences, Inc.

CLMN Number of Claims: 77

ECL Exemplary Claim: 1

DRWN 8 Drawing Figure(s); 8 Drawing Page(s)

LN.CNT 11319

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a novel t-PALP protein which is a member of the serine protease family. In particular, isolated nucleic acid molecules are provided encoding the human t-PALP protein. t-PALP polypeptides are also provided as are vectors, host cells and recombinant methods for producing the same. The invention further relates to screening methods for identifying agonists and antagonists of t-PALP activity. Also provided are diagnostic methods for detecting circulatory system-related disorders and therapeutic methods for treating circulatory system-related disorders.

L4 ANSWER 62 OF 64 CAPLUS COPYRIGHT 2002 ACS

AN 2000:368723 CAPLUS

DN 133:16299

TI Diagnosis of demyelinating or \*\*\*spongiform\*\*\* disease by determining antibodies to myelin or myelin neurofilaments

IN Ebringer, Alan

PA King's College, UK

SO PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000031545	A1	20000602	WO 1999-GB3936	19991125
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 9915695	A	20010814	BR 1999-15695	19991125
EP 1133696	A1	20010919	EP 1999-956219	19991125
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI GB 1998-25948	A	19981126		
WO 1999-GB3936	W	19991125		
AB A method for diagnosing ***spongiform*** disease or demyelinating disease in vertebrates, including BSE, MS and CJD, which comprises assaying a biol. sample for antibodies which bind to myelin and/or myelin neurofilaments or to one or more antigenic (immunogenic) parts thereof. An ELISA for detg. ***IgA*** autoantibodies in serum samples used bovine myelin or bovine neurofilaments absorbed in wells of microtiter plates and peroxidase-anti-cow ***IgA*** conjugate.				
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L4 ANSWER 63 OF 64 CAPLUS COPYRIGHT 2002 ACS

AN 1999:614260 CAPLUS

DN 131:225822

TI Diagnosis of \*\*\*spongiform\*\*\* or de-myelinating disease

IN Ebringer, Alan

PA King's College, University of London, UK

SO PCT Int. Appl., 11 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9947932	A2	19990923	WO 1999-GB876	19990319
WO 9947932	A3	19991111		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

CA 2323597 AA 19990923 CA 1999-2323597 19990319  
AU 9929487 A1 19991011 AU 1999-29487 19990319  
EP 1064555 A2 20010103 EP 1999-910561 19990319

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, FI

PRAI GB 1998-5913 A 19980319  
WO 1999-GB876 W 19990319

AB A method for detecting a de-myelinating disease or \*\*\*spongiform\*\*\* encephalopathy in mammals comprises testing a biol. sample obtained from the mammal for \*\*\*IgA\*\*\* antibodies indicative of infection by an \*\*\*Acinetobacter\*\*\* species. The \*\*\*Acinetobacter\*\*\* species is one which presents to the mammal an antigen which exhibits mol. mimicry with the myelin of the mammal e.g. \*\*\*Acinetobacter\*\*\* calcoaceticus. The antibodies tested for are antibodies which bind to an epitope present in or derived from the \*\*\*Acinetobacter\*\*\* species or to a prepd. peptide sequence corresponding thereto or to a conformationally similar peptide sequence e.g. the peptide sequence RFSAWGAE or ISRFWGEV. The method tests for bovine \*\*\*spongiform\*\*\* encephalopathy, multiple sclerosis and Creutzfeldt-Jacob disease in humans. A test kit uses as the test antigen the whole \*\*\*Acinetobacter\*\*\* organism or at least one prepd. peptide sequence as described above and a secondary antibody against the human, bovine, or other mammalian \*\*\*IgA\*\*\*.

L4 ANSWER 64 OF 64 CABA COPYRIGHT 2002 CABI DUPLICATE 1  
AN 2000:51335 CABA  
DN 20002209482

TI Autoantibodies to brain components and antibodies to \*\*\*Acinetobacter\*\*\* calcoaceticus are present in bovine \*\*\*spongiform\*\*\* encephalopathy  
AU Tiwana, H.; Wilson, C.; Pirt, J.; Cartmell, W.; Ebringer, A.  
CS Infection and Immunity Group, Division of Life Sciences, King's College, London, UK.

SO Infection and Immunity, (1999) Vol. 67, No. 12, pp. 6591-6595. 21 ref.  
ISSN: 0019-9567

DT Journal  
LA English

AB Study of serum samples from 29 cows with bovine \*\*\*spongiform\*\*\* encephalopathy (BSE) and from 18 without BSE showed that animals with BSE had elevated levels of \*\*\*IgA\*\*\* autoantibodies to brain components, i.e., neurofilaments ( $P<0.001$ ) and myelin ( $P<0.001$ ), as well as to A. calcoaceticus ( $P<0.001$ ), saprophytic microbes found in soil which have sequences cross-reacting with bovine neurofilaments and myelin, but there were no antibody elevations against Agrobacterium tumefaciens or Escherichia coli. It is concluded that the relevance of such mucosal autoantibodies or antibacterial antibodies to the pathology of BSE and its possible link to prions requires further evaluation.